Figure 1A.

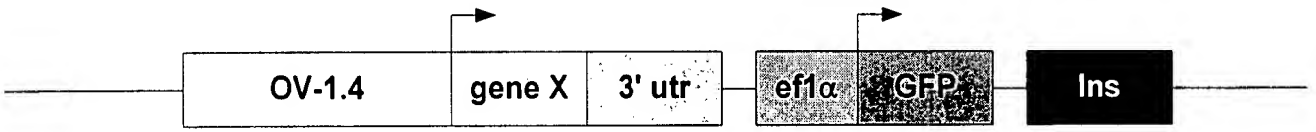
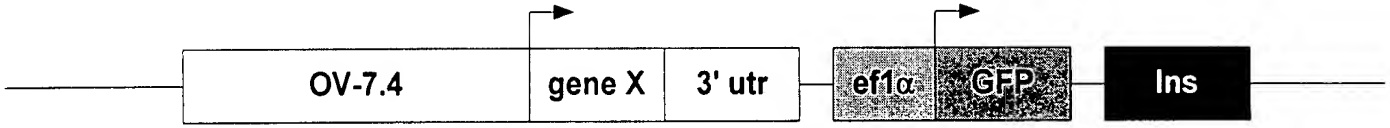


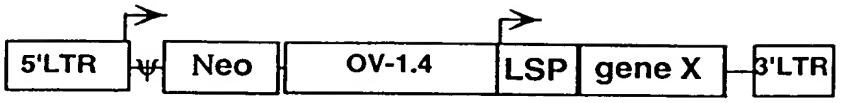
Figure 1B.



OV-1.4 & -7.4: ovalbumin -1.4 and -7.4 kb promoters
gene X: a gene or cDNA encoding an exogenous protein
3' utr: 3' untranslated region containing polyadenylation site
ef-1α: translation elongation factor ef-1α promoter
GFP: humanized green fluorescent protein gene
Ins: 1.2 kb insulator element

Replacement Sheet

Figure 2A.



transcription start site

5' & 3' LTR: ALV long terminal repeats

Ψ virus packaging signal

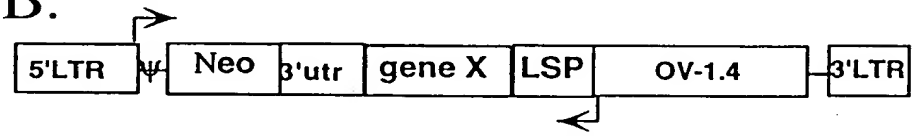
Neo: neomycin-reistance gene

OV-1.4: ovalbumin -1.4 kb promoter

LSP: lysozyme signal peptide

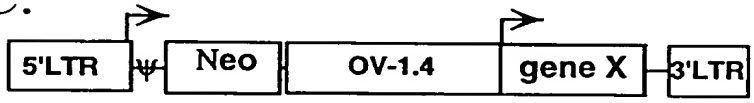
gene X: gene or cDNA encoding an exogenous protein

Figure 2B.



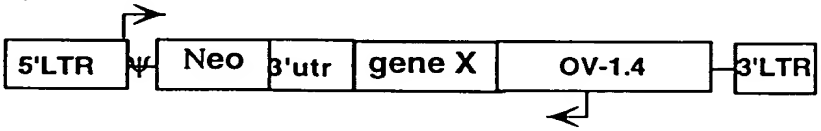
3'utr: 3' untranslated region containing polyadenylation site

Figure 2C.



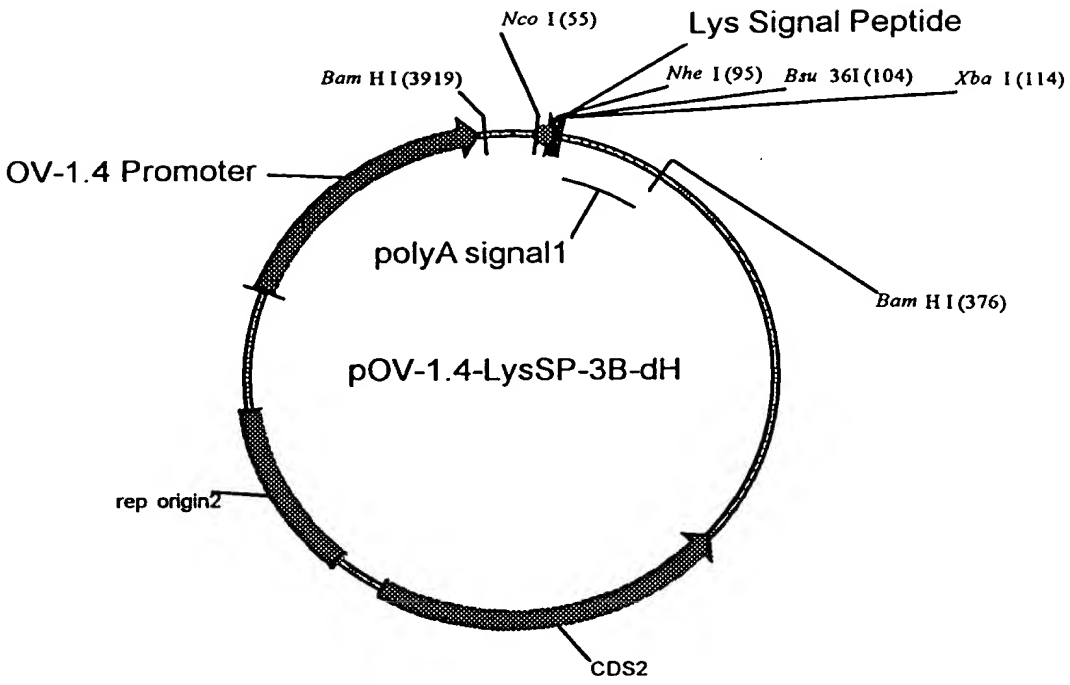
Same vector as A lacking LSP element

Figure 2D.



Same vector as B lacking LSP element

Figure 2E.



Lysozyme Signal Peptide

```
            M  G   S  L  L   I  L  V  L   C  F  L   P  L  A
          NcoI                                          NheI
 51  CCACCATGGG GTCTTTGCTA ATCTTGGTGC TTTGCTTCCT GCCGCTAGCT
     GGTGGTACCC CAGAAACGAT TAGAACCACG AAACGAAGGA CGGCGATCGA
          ▼
      A  L  G
       Bsu36I       XbaI
101  GCCTTAGGGC CCTCTAGAG
     CGGAATCCCG GGAGATCTC
```

▼ : Signal peptide cleavage site.

PCR Cloning of cDNA

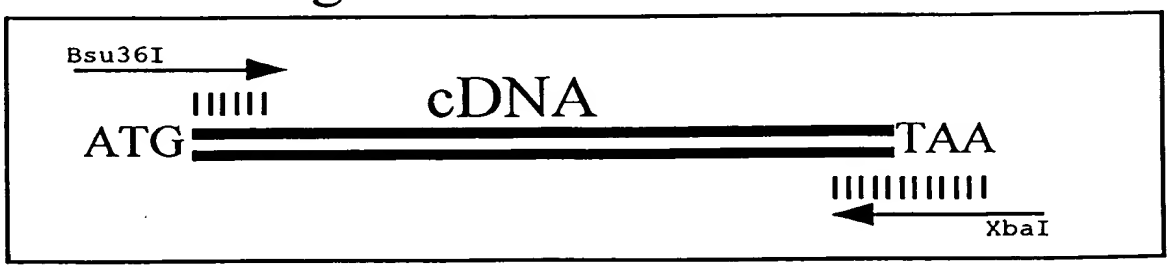
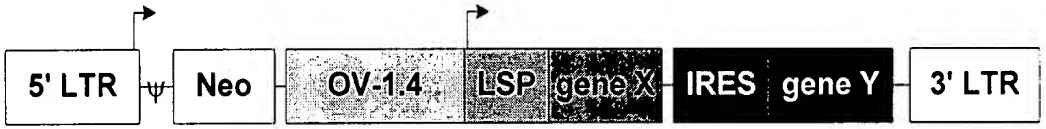


Figure 2F.



↱	transcription start site
5' & 3' LTR:	ALV long terminal repeats
ψ	virus packaging signal
Neo:	neomycin-resistance gene
OV-1.4:	ovalbumin -1.4 kb promoter
LSP:	lysozyme signal peptide
gene X:	gene or cDNA encoding an exogenous protein
gene Y:	gene or cDNA encoding an exogenous protein
IRES:	internal ribosome entry site

Figure 3A.

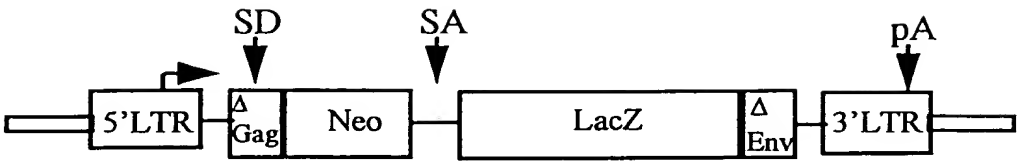
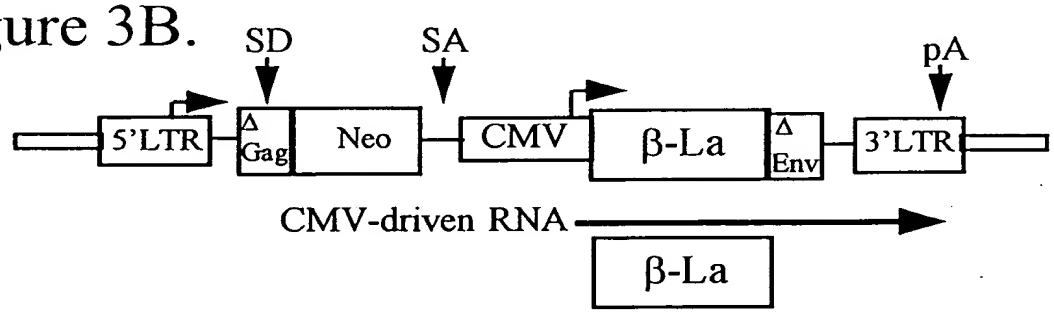


Figure 3B.



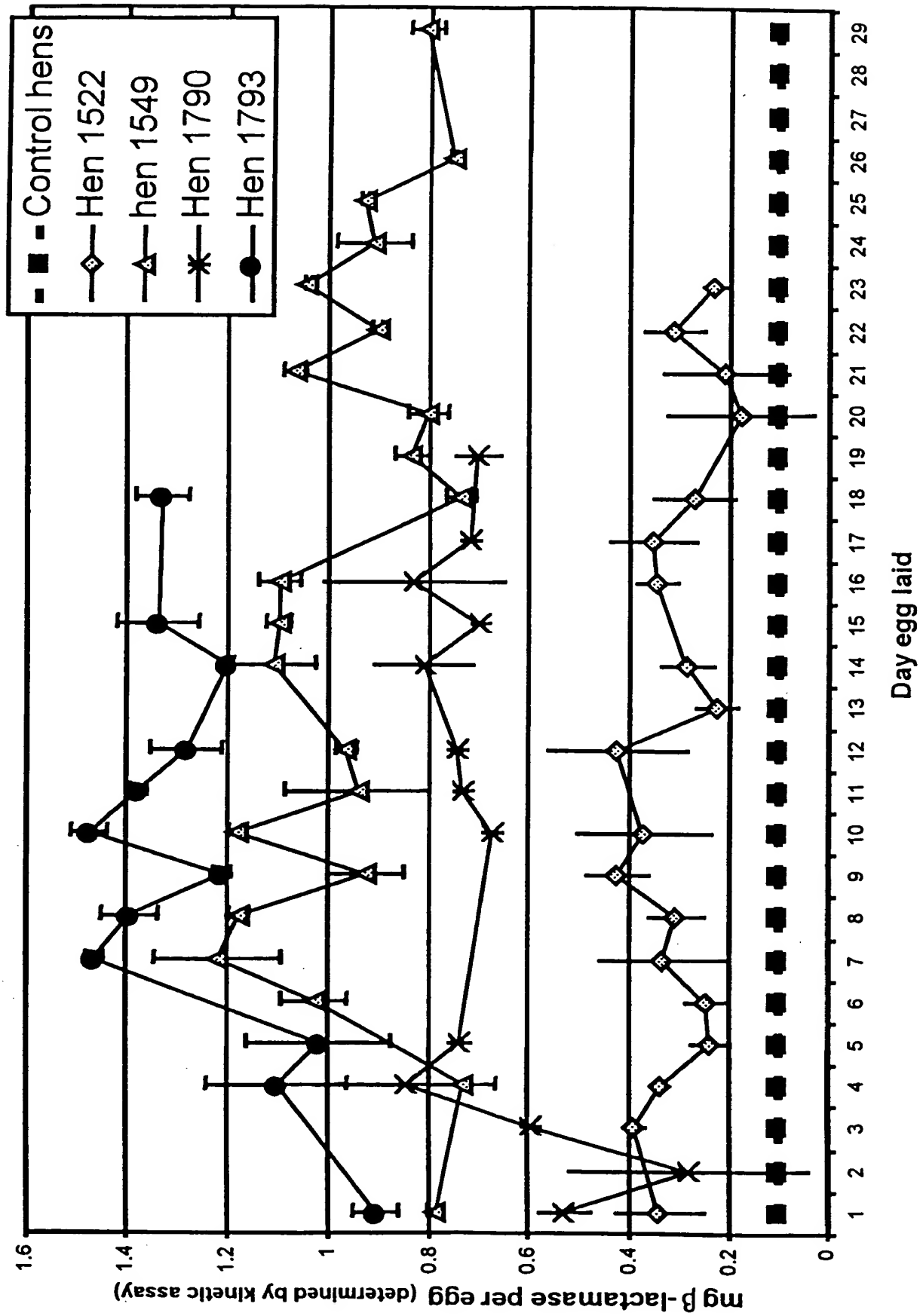


Figure 4.

Figure 5.

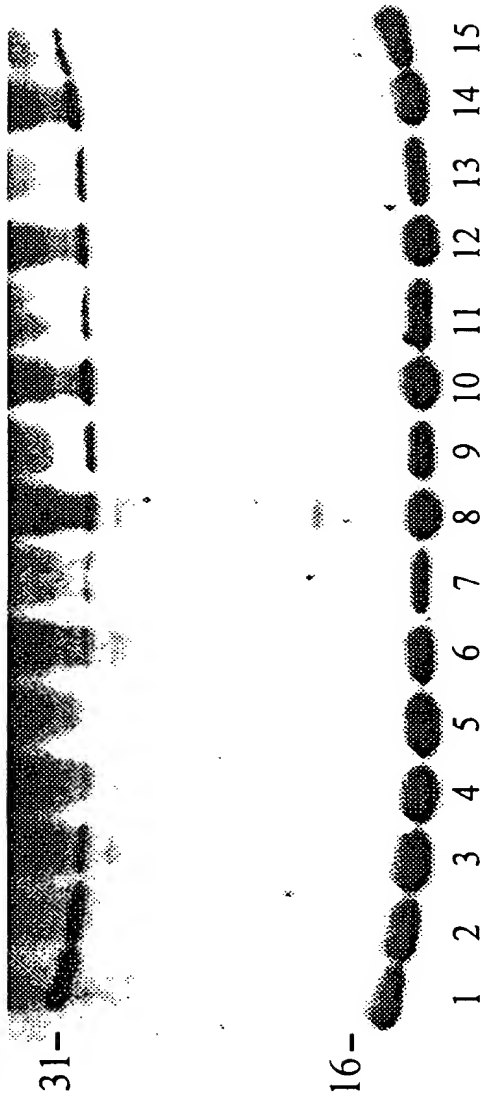


Figure 6A.

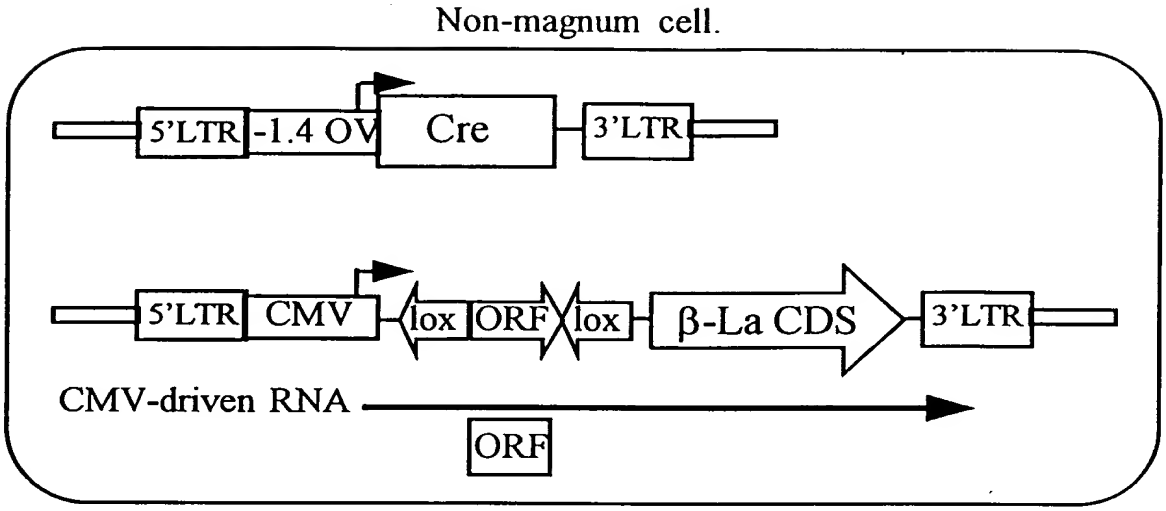


Figure 6B.

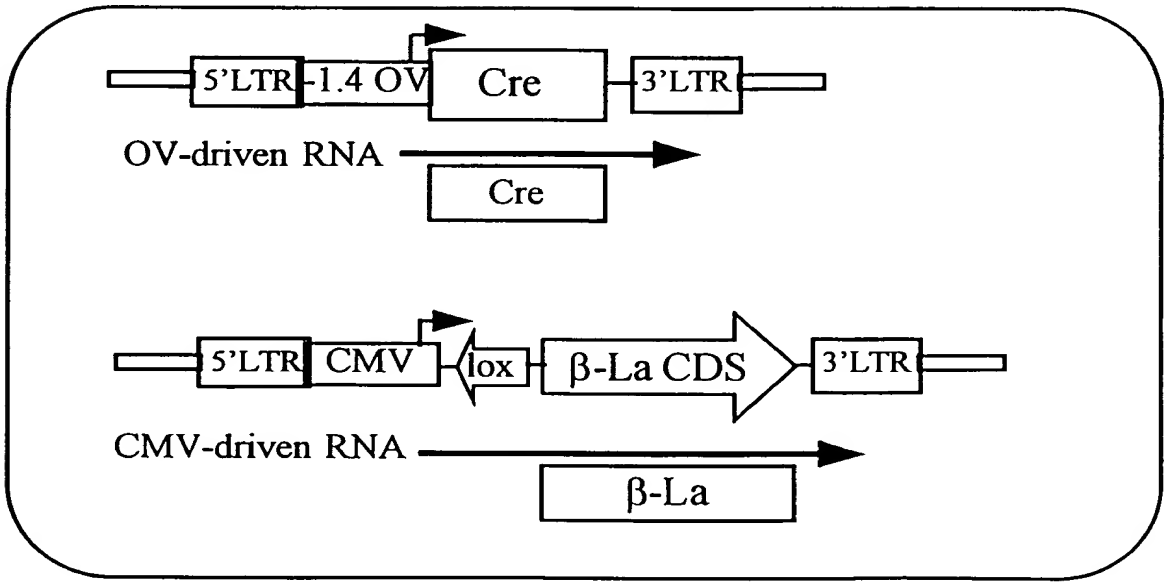


Figure 7.

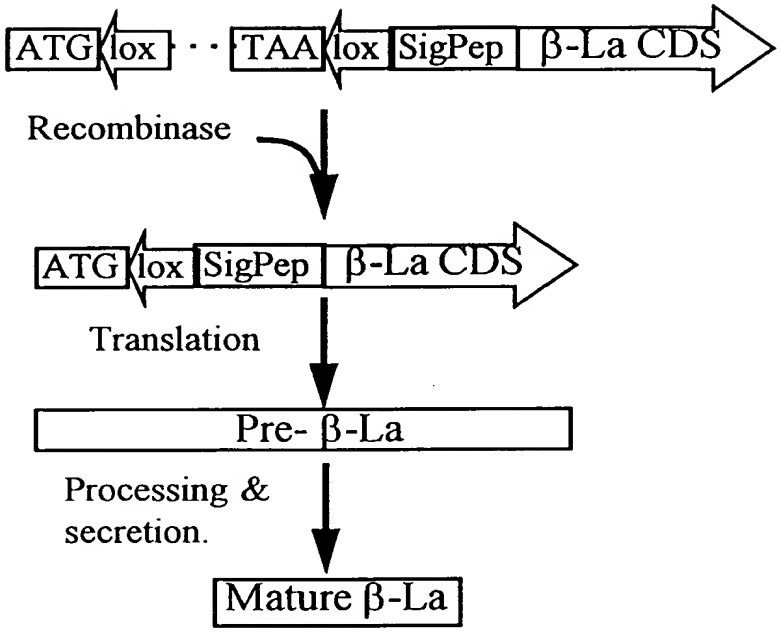
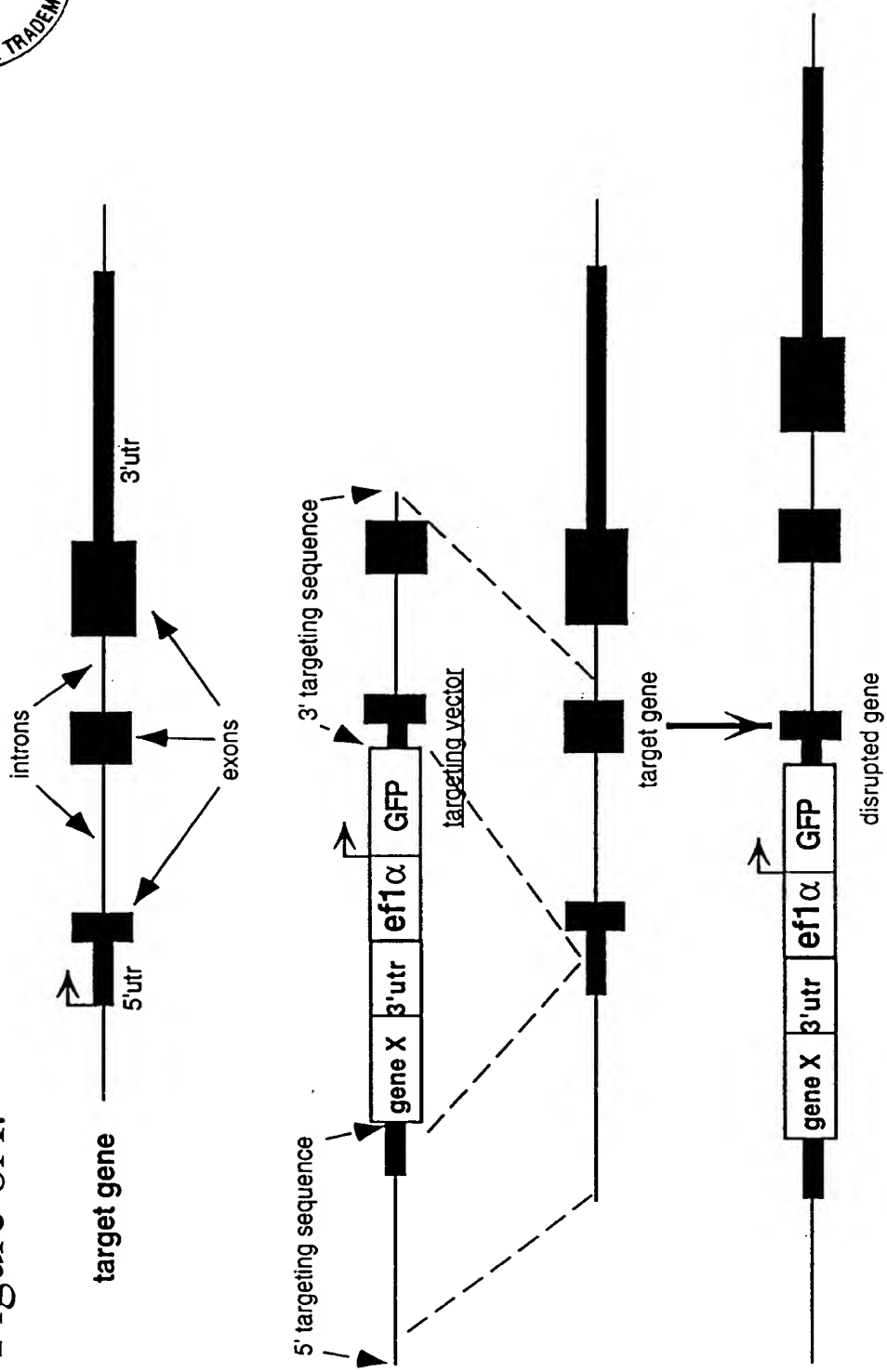
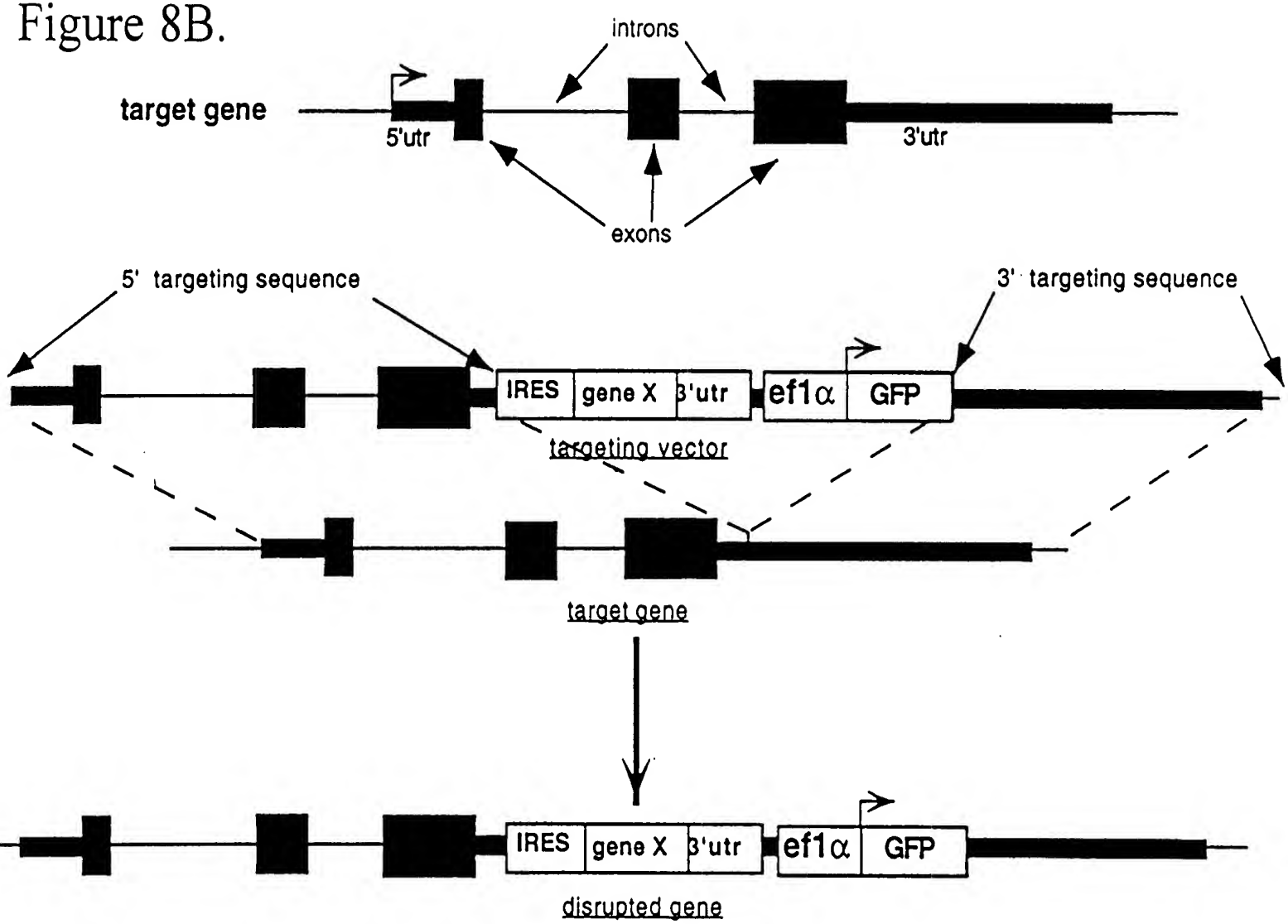


Figure 8A.



gene X: gene or cDNA encoding an exogenous protein
3'utr: 3' untranslated region containing polyadenylation site
ef1α: elongation factor 1α promoter
GFP: humanized green fluorescent protein gene

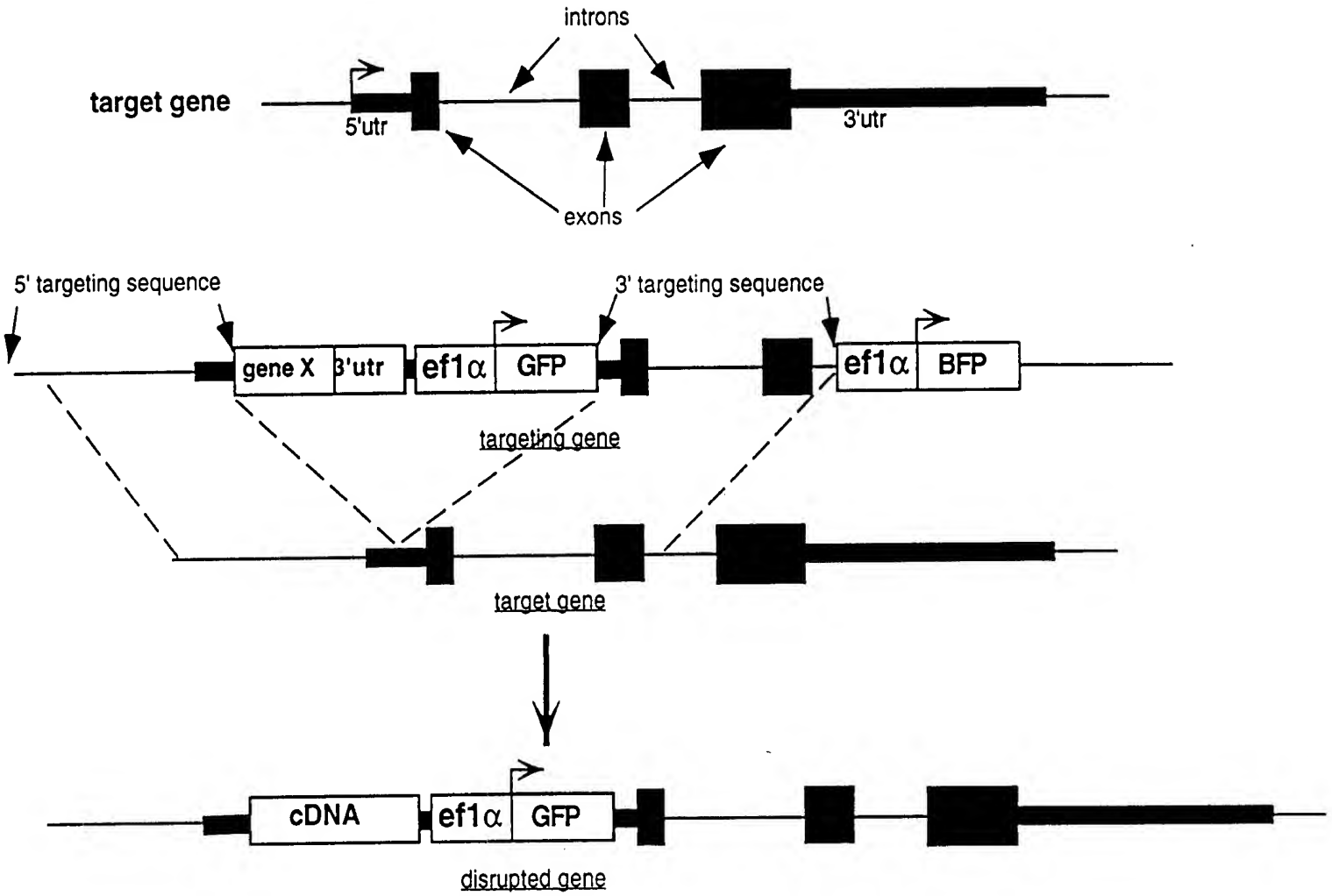
Figure 8B.



gene X: gene or cDNA encoding an exogenous protein
3'utr: 3' untranslated region containing polyadenylation site
ef1α: elongation factor 1α promoter
GFP: humanized green fluorescent protein gene

Replacement Sheet

Figure 9.



BFP: gene encoding blue fluorescent protein